### VIKHOREV, K.A.

akali ya un magana sun kalaman kanan k

Supplying marine diesels as assembled units, their installation and delivery on ships. Trudy NTO sud.prom. 32:17-25 '60. (MIRA 13:6)

(Marine diesel engines)

5 (4) AUTHORS: Shishokin, V. P., Ageyeva, V. A.,

05820 sov/76-33-10-18/45

Vikhoreva, N. A.

TITLE:

Time Hardness as a Method of Physicochemical Analysis

PERIODICAL:

Zhurnal fizicheskoy khimi:, 1959, Vol 33, Nr 10, pp 2222 - 2229

ABSTRACT:

The authors made experiments on the variation in hardness of various alloys in dependence on the variation in composition at various temperatures and various durations of strain. Bismuthvarious temperatures and various durations of strain. Elements cadmium alloys (2.7, 18.7, 44.6, 62.2, 90.9 At., Bi), bismuther antimony alloys (6, 15, 25, 50, 75 At., Bi), bismuthelead alloys (5, 10, 20, 30, 33.3, 56.3, 70, 95 At., Bi), the solid solution (5, 10, 20, 30, 33.3, 56.3, 70, 95 At., Bi), aluminument bismuth in lead (6.25, 12.5, 15 and 17.5 At., Bi), aluminument alloys. Cadmiument alloys (6, 2, 12.5, 18.7 & Rg) and zinc alloys. Cadmiument alloys (6, 2, 12.5, 18.7 & Rg) and zinc alloys, cadmium-mercury alloys (6.2, 12.5, 18.7 % Hg) and lead-mercury alloys (5.2, 10.3, 12.9, 15.4, 20.5, 25.6, 31 % Hg) were used for this purpose. The alloys were subjected to thermal treatment and loaded (10, 34.4, 36, 39, and 69.4 kg) for various times (5, 30, 150, 720 and 1440 min). The resultant diagrams are discussed (Figs 1-7) with reference to publications by N. S. Kurnakov, A. N. Akhnazarov (Ref 10 A. I. Glazunov, M. M. Matveyev (Ref 11), V. A. Nemilov (Ref 12), V. Ya. Anosov (Ref 13)

Card 1/2

05820 SOY/76-33-10-18/45

Time Hardness as a Method of Physicochemical Analysis

A. E. Nikerov (Ref 14), A. A. Bochvar (Ref 15), L. A. Rotinyan (Ref 16), S. I. Gubkin, L. A. Zakharov (Ref 17), Ye. M. Savitskiy and V. F. Terekhova (Ref 18). Under equal conditions of temperature and load, the isochronous curves of hardness vary parallel with the isothermal hardness lines. In eutectic alloys, the concave part of the curve composition - velocity index of hardness faces the concentration ordinate, while it diverts from it in solid solutions. It was found that at various durations of load application (various deformation rates) the determination of hardness could be applied as a method of physicochemical analysis. There are 8 figures and 18 references, 17 of which are Soviet.

ASSOCIATION: Leningradskiy politekhnicheskiy institut im. M. I. Kalinina (Leningrad Polytechnic Institute imeni M. I. Kalinin). Leningradskiy pedagogicheskiy institut im. A. I. Gertsena (Leningrad Pedagogical Institute imeni A. I. Gertsen)

SUBMITTED:

March 18, 1958

Card 2/2

AUTHORS:

Kartseva, A.M., Vikhoreva, T.A.

32-24-4-11/67

TITLE:

Control of Gas Saturation in Welts on a Copper Basis (Kontrol'

gazonasyshchennosti v rasplavakh na mednoy osnove)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 4, pp. 410-413 (USSR)

ABSTRACT:

For carrying out determinations in aluminum alloys Dardel (Ref 1) suggested a method in which the moment of formation of the first gas bubble in the metal melt was recorded at a certain vacuum and temperature. In the present method this is applied to alloys on a copper basis, in which case the higher melting temperature is necessary. It may be seen from a drawing that the test apparatus consists of a heatable container with melting crucible, a mercury manometer, a connection to the vacuum, etc. It is not the absolute gas content of the melt that is determined, but only a sort of quality control based upon the gas content is carried out. The actually characterizing quantity is the pressure at which the first gas bubble is formed under fixed conditions. In this manner several alloys were investigated; by subsequent mechanical tests

Card 1/2

it was found that the gas content of the melt exercises

Control of Gas Saturation in Melts on a Copper Basis

32-24-4-11/67

considerable influence upon the mechanical properties of the alloys. A comparison between results obtained by the described investigation method with those obtained in laboratories showed good agreement. Determination is said to take from 2 to 3 minutes. There are 1 figure, 4 tables, and 1 reference, which is Soviet.

1. Copper alloys—Quality control 2. Copper alloys—Testing ëquipment 3. Gases—Determination 4. Gases—Metallurgical effects

Card 2/2

VIKHOREVA, T.A.

AUTHORS: Vikhoreva, T.A., and Vlasov, A.F., Engineers 128-58-4-11/18

TITLE: Experience lith Exothermally-Heated Feeding Heads (Opyt prime-

neniya pribyley s ekzotermicheskim obogrevom)

PERIODICAL: Liteynoye Proizvodstvo, 1958, No. 4, pp 25-26 (USGR)

ABSTRACT: The article gives information on a new exothermal compound for heating feeding heads of steel castings which has reduced

the metal waste by 50% and also greatly reduced the number of rejects. Its composition, in weight percentage is: powder aluminum 10%, 75-percent ferrosilicon 13%, iron scale 62%,

refractory clay powder  $5\mu$ , fire clay 7%. Addition of 3-5% sulphite lye and 1% water is made to increase the strength of the compound in dry condition. Recommendations are given concerning the dimensions and weight of feeding heads, and the

granulation of exothermal compound components. The compound is considerably cheaper than the ordinary exothermal compounds containing more aluminium powder, the burning reaction in the

process of pouring is quiet, the remains of the compound partly float to the metal surface in feeding heads and form a readily removable slag. An illustration shows a casting

Gard 1/2 with ordinary feeding heads and one which was exothermally

Experience With Exothermally-Heated Feeding Heads 128-58-4-11/18

heated by using the above mentioned compound. There are 2 figures.

AVAILABLE: Library of Congress

Card 2/2 1. Steel castings-Test methods 2. Steel castings-Test results

VIKHOREVA. 7. N
IEBEBEV, K.P., kand.tekhn.nauk; VIKHOREVA, T.N., inzh.; VESELOVA, A.I.,
inzh.

Improved technology of casting brass propellers. Lit.proizv.
(MIRA 10:10)
no.8:7-10 Ag '57.
(Brass founding)
(Fropellers)

TERYUSHNOV, A.V., prof.; DERYUZHKIRA, V.G., red.; VIKHRAMEYEVA, T.N., st. nauchn. sotr.; TIMOFFEEVA, Ye.A., red.

[Spinning without roving] Bezrovnichnce priadenie. Moskva, 1963. 31 p. (MIRA 17:5)

1. Moscow. TSentral'nyy institut nauchno-tekhnicheskoy informatsii legkoy promyshlennosti.

KLENOVA, M.V.; FLOROVSKAYA, V.H.; VIKHKENO, N.M. Bituminological luminescence survey of the sea bottom. Dokl.AN SSSR. 109 no.4:846-848 Ag 1956. l. Predstavleno akademikom S.I. Mironovym. (Caspian Sea-Sea bottom) 

VIKHREV. A.A.; MUKHACHEV, A.I.

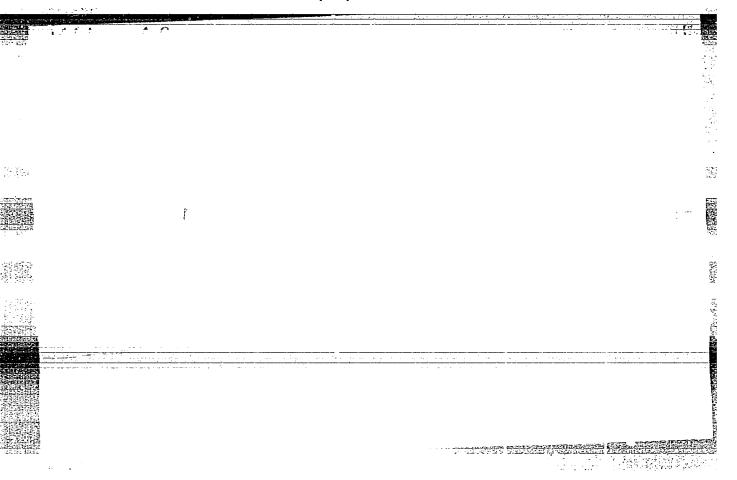
Gondola-car for the transportation of scrap. Stal 16 no.5:471

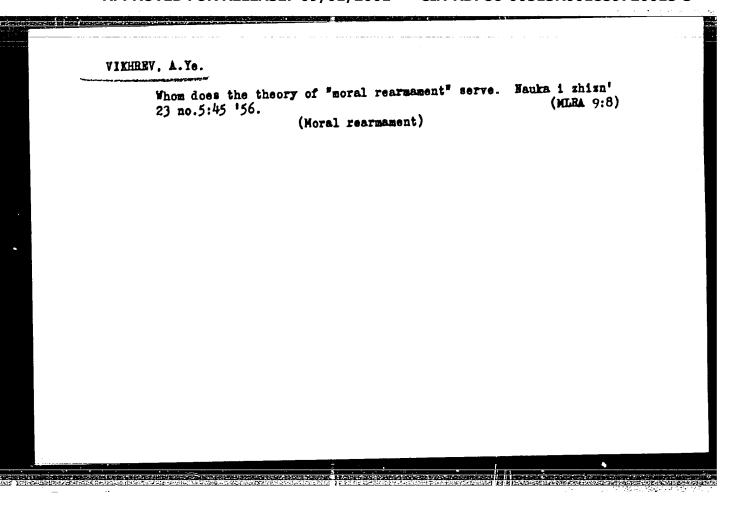
(MLEA 9:8)

My '56.

1. Kuznetskiy metallurgicheskiy kombinat.

(Stalinsk--Railroads, Industrial)





VIKHERY, Ivan Dmitrieyvich, kandidat tekhnicheskikh nauk; ZINGER, S.L., redaktor; REKKER, O.G., tekhnicheskikh redaktor

[Reconstruction of large blast furnaces by the moving method]

Rekonstruktsiia domennoi pechi bol'shogo ob"ema metodom nadvizhki.

Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i tavetnoi metallurgii. 1957. 129 p. (MLRA 10:3)

(Blast furnaces--Repairing)

VAIMNIK, Ye. I., doktor tekhn.nauk, prof.; KANFORME, S.Ye., kand.tekhn.nauk, dotsent; PARAUBEK, G.E., kand.tekhn.nauk, dotsent; GALKIN, I.G., kand.tekhn.nauk, dotsent; PWTHOV, I.A., doktor tekhn.nauk, prof.; VIKHHEV, I.D., kand.tekhn.nauk, dotsent; DIKOV, N.D., kand.tekhn.nauk, dotsent; STRTSOVA, Ye.D., kand.tekhn.nauk, dotsent; BRISKMAN, I.A., ekonomist; IL'IN, V.M., inzh., nauchnyy red.; LEYKIN, B.P., ekonomist, nauchnyy red.; SKVORTSOVA, I.P., red.izd-va; GERASIMOVA, G.S., red.izd-va; GOL'BERG, T.M., tekhn.red.; KASIMOV, D.Ya., tekhn.red.

[Organization and planning in the construction industry] Organizatsiia i planirovanis stroitel nogo proisvodstva. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1961. 526 p. (MIRA 14:12)

1. Chlen-korrespondent Akademii stroitel'stva i arkhitektury SSSR (for Varenik). (Construction industry)

VIKHREV. I.D.

Orgnaization and technology of operations for rebuilding and repairing blast furnaces. Metallurg 3 no.12:6-9 D 158.

(MIRA 11:12)

1. Machal'nik sektora organizatsii stroitel'stwa Gipromeza.
(Blast furnaces--Maintenance and repair)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859720015-3"

18.3200,25.5000

77426 SOV/130-60-1-9/22

AUTHORS:

Vikhrev, I. D. (Candidate of Technical Sciences), Aronin, I. A. (Engineer)

TITLE:

Construction of Open-Hearth Shops With Insular-

Like Furnace Bank Layout

PERIODICAL:

Metallurg, 1960, Nr 1, pp 18-22 (USSR)

ABSTRACT:

In view of the current trend toward the building of

open-hearth furnaces with a minimum capacity of

500 tons, the authors recommend an appropriate change in

plant layout. An insular-like arrangement of furnace

banks has already been introduced in an unnamed metallurgical plant now being built (see Fig. 1).

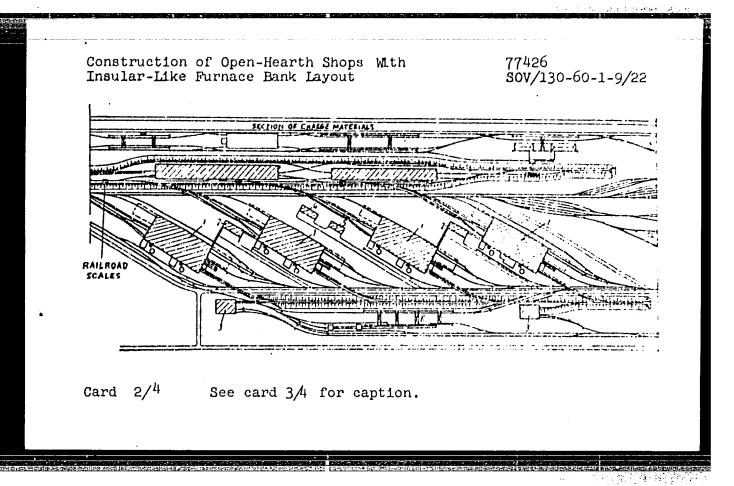
According to a survey conducted by the State Institute

for the Design and Planning of Metallurgical Plants (Gipromez), more service personnel are required than in

standard open-hearth shops. Absolute investment in

labor is approximately the same. However, the productivity of a shop with an "insular" layout of eight 500-ton

Card 1/4



Construction of Open-Hearth Shops With Insular-Like Furnace Bank Layout

77426 SOV/130-60-1-9/22

Caption to Fig. 1 on Card 2/4

Fig. 1. Planned Tayout of an open-hearth shop with insular-like furnace banks: (1) main building bank; (2) rest rooms; (3) mixer building; (4) repair workshop; (5) field laboratory; (6) slag yard.

furnaces and one pouring bay exceeds that of a standard shop with linear furnace arrangement by 3.2% because of shortened melting period (by 18 min). A further 10% increase in productivity is achieved by adding a second pouring bay per bank. The shop under construction comprises four individual two-bay banks. The trains with the chargemove directly into the furnace bay; charge box buggies are stored in the lean-to. The installation of a second pouring bay required an elongation of the bay by 48 m on one side and by 36 m on the other. Advantages: (1) possibility of load delivery from both ends of the building, regardless

Card 3/4

Construction of Open-Hearth Shops With Insular-Like Furnace Bank Layout

77426 sov/130-60-1-9/22

of the number of working furnaces and furnaces being built; (2) elimination of temporary end walls after blowing in furnaces; (3) elimination of manual labor for excavation work; (4) decreased width of main building facilitates mounting installations and allows servicing by only one tower crane. The authors recommend the layout as an advanced method in technology and construction. There are 3 figures; and 3

ASSOCIATION:

State Institute for the Design and Planning of Metallurgical Plants (Gipromez)

Card 4/4

AUTHOR: Vikhrev, I.D.

SOV/130-58-12-3/21

TITLE:

Organization and Methods of Work in the Reconstruction and Repair of Blast Furnaces (Organizatsiya i tekhnologiya rabot pri rekonstruktsii i remontakh domennykh pechey)

PERIODICAL: Metallurg, 1958, Nr 12, pp 6 - 9 (USSR)

ABSTRACT: The author points out that reconstruction as well as new construction can make a contribution to the planned increase in pig-iron production. He goes on to consider the method in which a complete new furnace is prefabricated (with or without the lining), next to a working one which is then blown out and removed, the new one being moved on to the foundations thus made vacant. For the moving a special stand is required, which can be of reinforced concrete blocks or tubes (Figs 1 and 2 show the respective designs suitable for moving a lined furnace) or of steel (Fig 3 shows a design for moving an unlined furnace). The author points out that if necessary through lack of space, the hearth of the new furnace can be assembled on one

Card 1/3 stand and the upper part on another, one of the stands being above the iron way and the other above the slag way.

SOV/130-58-12-3/21

Organization and Methods of Work in the Reconstruction and Repair of Blast Furnaces

He gives examples (Fig 4) of the use of the method for reconstructing ancillary structures or equipment and briefly discusses suitable types of cranes, showing (Fig 5) a 40-tonne type mounted on the top of a stove. New trends in standard furnace design, such as under-hearth cooling and the use of pre-fabricated reinforced concrete, facilitate reconstruction operations. The author recommends early and careful preparation of materials and equipment before operations are started, the removal of the furnace bear in the liquid state, copious cooling-water flow into the blown-out furnace (to facilitate scaffold and refractory removal), provision of good intercommunication systems for operations and good ventilation and systematic air analysis. He notes that the

Card 2/3

SOV/130-58-12-3/21

Organization and Methods of Work in the Reconstruction and Repair of Blast Furnaces

scientific-technical conference held in Stalino- in August 1958 on furnace repairs recommended the adoption of new working methods.

There are 5 figures

ASSOCIATION: Gipromez

Card 3/3

VIKHREV, Ivan Dmitriyevich, kand. tekhn. nauk; GLAZER, M.R., inzh., nauchn. red.; RYAZANTSEVA, L.I., red.; KASINOV, D.Ya., tekhn. red.

[Building steel plants] Stroitel'stvo zavodov chernoi metallurgii. Moskva, Gosstroiizdat, 1963. 227 p. (MIRA 17:3)

# VIKHREV, H.N.

Methodological activities in the school for feldshers and midwives in Odessa. Fel'dsher & akush., Moskva no.9:52-54 Sept 1952. (GIML 23:2)

VIKHREV, N. N.

Odessa-Medicine- Study and Teaching

Methodological activities in the Odessa school for feldshers and midwives. Fel'd. i akush., No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 1953, Uncl.

VIKHREV, N. N.

Medicine - Study and Teaching - Odessa

Methodological activities in the Odessa school for feldshers and midwives. Fel'd. i akush. no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 x1993, Uncl.

KORYAKINA, Valentina Fedorovna; KONOVALOV, I.N., otv. red.; VIKHREV, S.D., red. izd-va; SMIRNOVA, A.V., tekhn.red.

[Characteristics of the growth and development of perennial forage plants] Osobennosti rosta i razvitiia mno-goletnikh kormovykh rastenii. Moskva, Izd-vo "Nauka," (MIRA 17:3)

APPROVED FOR RELEASE: 09/01/2001 CIA-RDP86-00513R001859720015-3"

STOLETOVA, Yekaterina Aleksandrevas, dektor sel'skokhozysystvensykh anult;
VIKHEN, S.D., red.; HILOV, S.H., red.; MCLODTSOVA, M.S., tekha. red.

[Suckwheat] Grachikha. Izd. 3., perer. i dop. Hoskva, des. ind-ve
(Suckwheat] hit-ry, 1958. 255 p.
(Buckwheat)

(Buckwheat)

ALEKSANDROV, F.A.; VIKHREV. S.D. Loningrad); MALEYEVA, O.F.

Review and bibliography. Rast, res. 1 no.2:284-287 '65.

(MIRA 18:11)

1. Obshchastvo okhrany prirody, Kirov (for Aleksandrov).

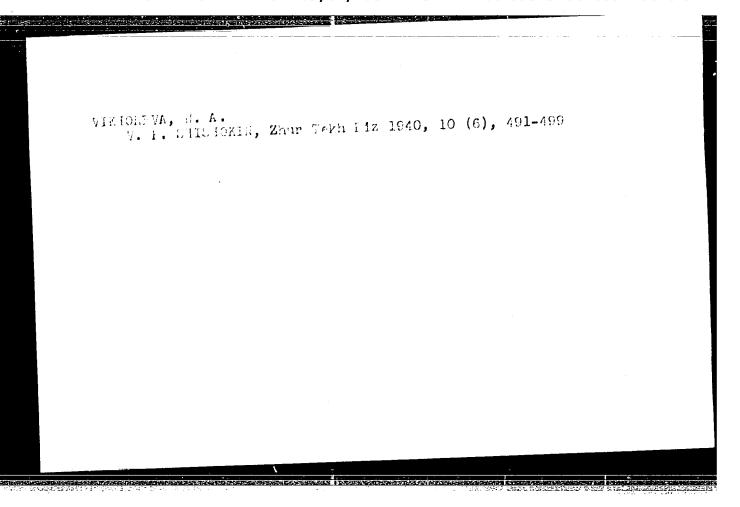
2. Botanicheskiy inntitut imeni Komarova AN SSSR, Leningrad (for Maleyeva).

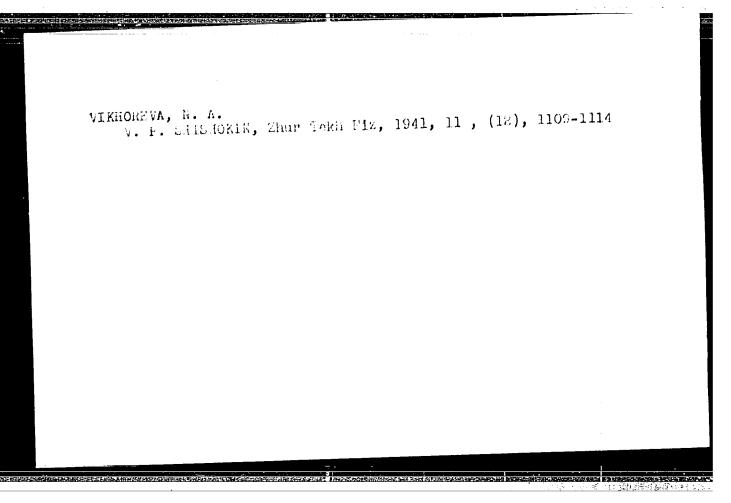
VIKHREV, V. F., Engineer

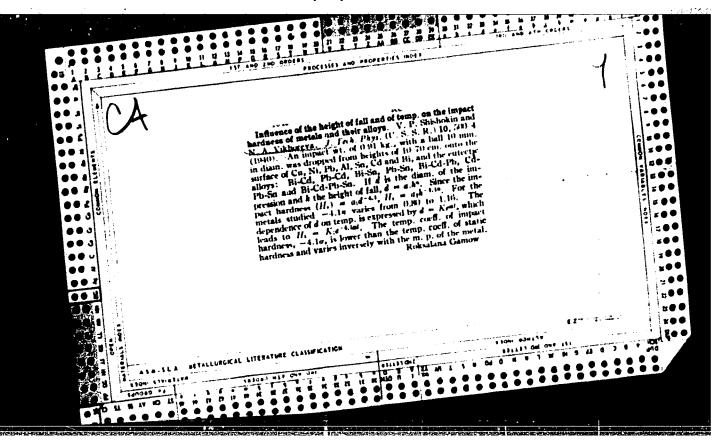
"On the Effect of the Pressure and Velocity of Air on the Combustion Process of Solid Fuel in a Laver." Sub 6 Jun 47, Moscow Order of Lenin Power Engineering Inst imeni V. M. Molotov

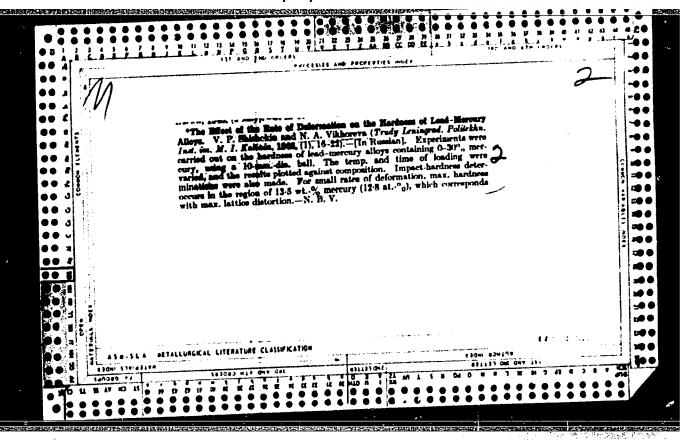
Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum. No. 457, 18 Apr 55









ARIYEVICH, A.M. (Moskva); VIKHREVA. O.G. (Moskva); NIKITINA, Ye.Ye. (Moskva); STEPANISHCHEVA, Z.G. (Moskva)

Use of decamin in the treatment of patients with fungal diseases. Vest. derm. i ven. 38 no.7:54-57 Jl 64. (MIRA 18:4)

VIKHREVA, O. G. Cand Med Sci -- (diss) "Some Data Concerning the Clinical Appears, Epidemiology, and Pathogenesis of Chronical Trichophytosis in Adults." Rostov-on-the-Don, 1957. 12 pp 20 cm. (Rostov-on-the-Don State Medical Inst), 200 copies (KL, 18-57, 97)

- 49; -

VIKHREVA, O.G.

Basic principles of the treatment of trichophytosis in adults. Sovet. med. 17 no.7:26-29 July 1953. (CIML 25:1)

1. Of the Mycology Department (Head -- Prof. A. M. Ariyevich), Central Skin-Venereal Institute ( Director -- Doctor Medical Sciences N. I. Turanov), Ministry of Public Health USSR.

VIKHREVA, Yelena Aleksandrovna; LEBEDEV, Ivan Ivanovich; GRUZINOV, V.I., redaktor; MAL'KOVA, N.V., tekhnicheskiy redaktor.

[Economizing on automobile tires; work practice of the no.30 meter column of the Yareslavl' Province trust] Sbereshenie avtemebil'nykh shin; iz opyta rabety avtokolonny No.30 IAreslavskogo oblavtetresta. Moskva, Nauchno-tekhn.izd-vo avtetransp. lit-ry, 1956. 21 p. (Automobiles--Tires) (MIRA 9:6)

KOLESNIKOV, B.P.; SOCHAVA, V.B., professor otvetstvennyy redaktor.; VIKHREYEY, S.D., redaktor izdatel'stva.; YAKOVLEVA, V.M., redaktor izdatel'stva.; BLEYKH, Ye. Tu., tekhnicheskiy redaktor.

[Gedar forests of the Far East.] Kedrovye lesa Dal'nego Vostoka. Moskva, Izd-vo Akademii nauk SSSR, 1956. 261 p. (Akademiia nauk SSSR. Dal'nevostochnyy filial imeni V. L. Komarova. Seriia botanicheskaia. Trudy, vol. II (IV) )

(Soviet Far East--Cedar)

17(

SOY/177-58-9-21/51

AUTHOR:

Vikhriyev, B.S., Captain of the Medical Corpo, Candidate

of Medical Sciences

TITLE:

The Rational Technique of Cutting Free Shin Transplants

by Means of a Dermatome

PERIODICAL:

Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 68-70

(USSR)

ABSTRACT:

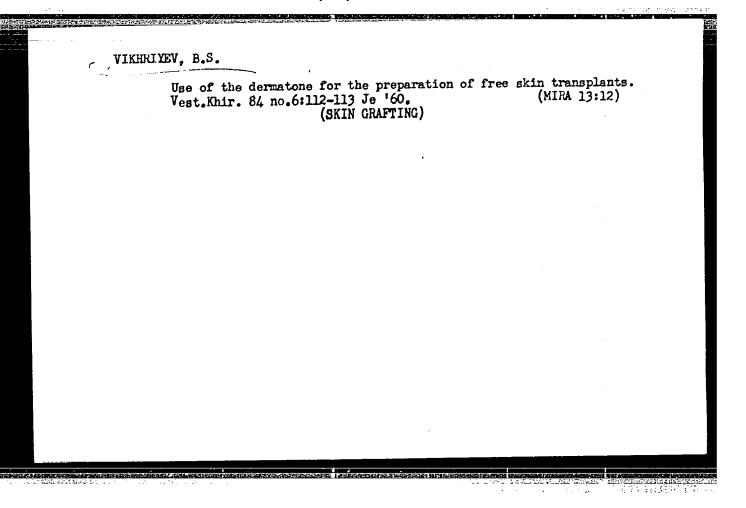
Among numerous instruments for cutting free skin transplants, the dermatome is mainly used (E. Fadgett, 1939; M.V. Kolokol'tsev, 1946). Many medical institutions of the Soviet Union use dermatomes designed according to Padgett's dermatome and manufactured in the Zaved "Krasnogvardeyets" (Krasnogvardeyets Plant). In Soviet literature only B.A. Petrov and B.N. Postnikov (1952) described the technique of cutting free skin transplants. In this article the author describes in detail the procedure of handling the above mentioned dermatome.

There are 2 diagrams.

Card 1/1

KOLESNIKOV, I.S.; SHEYNIS, V.N.; VIKHRIYEV, B.S.; FILATOV, V.I.

Organization of work in a specilaized department for the treatment of burns. Vest. khir. 84 no. 4:128-134 Ap '60. (MIRA 14:1) (BURNS AND SCALDS)



VIKHRIYEV, B.S., kapitan med.sluzhby, kand.med.nauk

Rational technic of cutting free skin transplants with a derratore.
Voen.-med. zhur. no.9:68-70 S'58. (MIRA 12:12)
(SKIN TRANSPLANTATION
free grafts, technic of cutting with dermatone
(Rus))

VIKHRIYEV, B.S., kand.med.nauk; MATUSEVICH, M.Ya.

Comparative evaluation of methods of anesthesia in surgical treatment of burns. Khirurgiia 35 no.7:33-37 Jl 159. (MIRA 12:12)

1. Iz 1-y kafedry gospital'noy khirurgii (zav. - prof. I.S. Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova.

(BURNS, surgery)
(ANESTHETICS, therapy)
(SKIN TRANSPLANTATION)

KOLMSNIKOV, I.S., general-mayor meditainakoy aluzhby, professor; VIKHRIYEV,
B.S., kapitan meditainakoy aluzhby, kand.med.nauk

Napalm burns and their treatment. Voen.-med.zhur. hl.8:3-7 A: '57.

(BURNS, therapy,
napalm burns (Rus))

(WAR,
napalm burns, ther. (Rus))

VIKHRIYEV, B. S., capt., Med. Serv., Cand. Med. Sci, and KOLESNIKOV, I. S., Prof., Maj. Gen. Med. Serv.

AND THE PROPERTY OF THE PARTY O

"Napalm Burns and their Treatment," Voyenno-Meditsinskiy Zhurnal, No. 8, August 1957.

VIKHRIYEV, B.S., kand.med.nauk (Leningrad, Lesnoy pr.,d.4, kv.68);
MATUSEVICH, M.Ya.; FILATOV, V.I., kand.med.nauk

Surgical shock in free skin grafting in burned patients. Nov. khir. arkh. no.2:31-35 Mr-Ap '(O. (MIRA 14:11)

1. Kafedra gospital'noy khirurgii (nachal'nik - prof. I.S.Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova. (SKIN GRAFTING) (SHOCK) (BURNS AND SCALDS)

KOLESNIKOV, Ivan Stepanovich; VIKHRIYEV, Boris Sargayavich;
PISAREVSKIY, A.A., red.; IYÜDKOVSKAYA, N.I., tekhm. red.

[Surgical treatment of deep thermal burns] Operativnoe lechenie glubokikh termicheskikh ozhogov. Moskva, Medgiz, 1962, 177 p.

(MIRA 15:6)

(BURNS AND SCALDS) (SKIN--GRAFTING)

KOLESNIKOV, I.S.; VIKHRIYEV, B.S.; SHCHERBA, B.V.; POSEVIN, D.I.; PLESHAKOV, V.T.

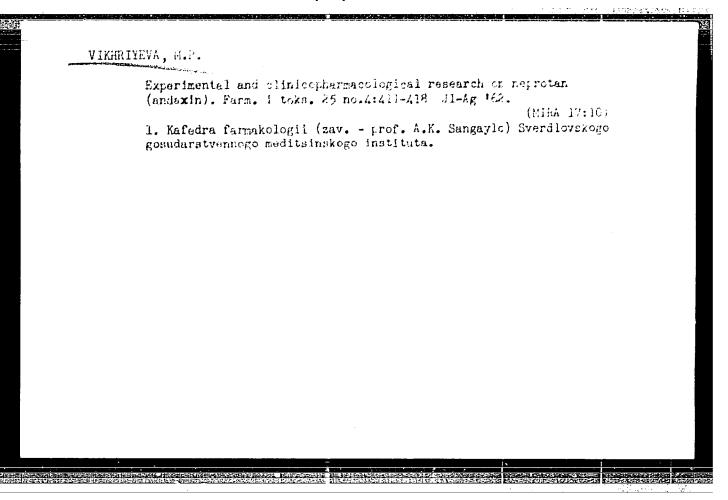
Differential diagnosis of lung cancer and abscess. Vop.onk. 11 no.11:3-7 165. (MIRA 19:1)

1. Iz kafedry gospital'noy khirurgii (zav. - laureat Leninskoy premii, chlen-korrespondent AMN SSSR, zasluzhennyy deyatel' nauki RSFSR prof.I.S.Kolesnikov) Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.

#### VIKHRIYEV, S.S.

State of the lymphatic system of the stomach in cancer. Vop. onk. 11 no.12:14-21 '66. (MIRA 19:1)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii (zav. - prof. A.N. Skobunova) Sverdlovskogo gosudarstvennogo meditsinskogo instituta (rektor - dotsent V.N. Klimov).

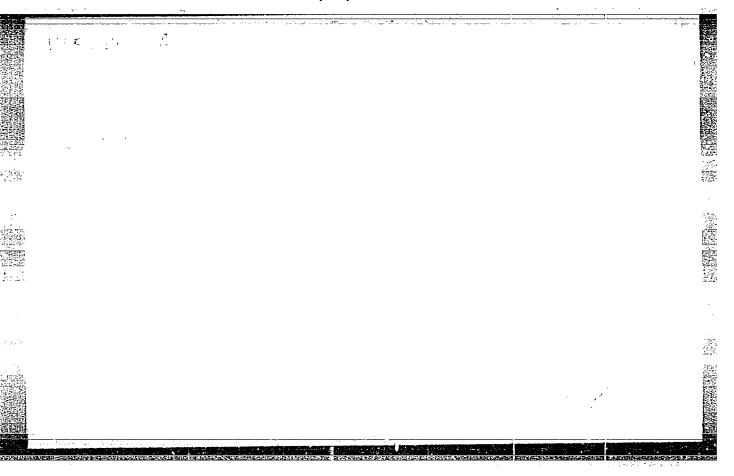


## B(L'SHAGIN, V.V.; VIKHRIYEVA, M.P.

Clinico-pharmacological evaluation of andaxin premedication in surgical interventions under local anesthesia. Knirurgiia 39 no.7:86-93 Jl'63 (MIRA 16:12)

1. Iz gospital noy khirurgicheskoy kliniki lechebnogo fakul!teta (zav. - chlen-korrespondent AMN SSSR zasluzhennyy deyatel!
nauki prof. A.T.Lidskiy) i kafedry farmakologii (zav. - prof.
A.K.Sangaylo) Sverdlovskogo meditsinskogo instituta.

\*\*\*



# VIKHROV. A. I.

Teoriya rasshireniy dlya ul'tragrupp. M., uche''n. zap. in-ta, 100 (1946), 3-19.

So: Mathematics in the USSR, 1917-1947
edited by Kurosh, A.G.,
Markushevich, A.I.,
Rashevshiy, P.K.
Moscow-Leningrad, 1948

VIKHROV, A.P. -- "Method of Surface Burning in the Automatic Gas Analysis of Hydrocarbon-Air Mixtures." Sub 20 Nov 52, Moscow Inst of Chemical Machine Building. (Dissertation for the Degree of Candidate in Technical Sciences.)

SO: VECHERNAYA MOSKVA, January-December 52

#### "APPROVED FOR RELEASE: 09/01/2001

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ACC NR. AT6036522

SOURCE CODE: UR/0000/66/000/000/0100/0100

AUTHOR: Vikhrov. A. I.; Kolomenskiy, A. V.; Smirennyy, L. N.; Dudkin, V. Yo.; Kovalev, Yo. Ye.; Kuznetsov, V. G.

ORG: none

TITIE: Principles of calculating shielding from cosmic radiation Paper presented at the Conference on Problems of Space Medicine held in Mescow from 24 to 27 May 1966.

SOURCE: Konforentsiya po problemam kosmichoskoy meditsiny, 1966. Problemy kosmichoskoy meditsiny. (Problems of space medicine); materialy konforentsii, Moscow, 1966, 100

TOPIC TAGS: spacecraft shielding, radiation protection, solar flare, cosmic radiation biologic effect, radiation shielding

ABSTRACT: The problem of shielding the cosmonaut from high-energy corpuscular radiations is formulated in the following manner: for given conditions (trajectory, flight duration, etc.), the main shielding requirements must be determined (type and thickness of material, arrangement of shielding, etc.) in order to protect cosmonauts from irradiation in greater than permissible doses with minimum additional weight of the shielding. This article describes a paper in which: 1) Chief aspects of methods of calculating shielding were examined. 2) Mean tissue doses for monoenergetic

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ACC NR: AT6036521

SOURCE CODE: UR/0000/66/000/000/0099/0100

AUTHOR: Vikhrov, A. I.; Dudkin, V. Ye.; Kovalev, Ye. Ye.; Kuznetsov, V. G.; Smironnyy, L. N.

ORG: nono

TITIE: Evaluation of radiation hazard during a flight to the moon Paper presented at the Conference on Problems of Space Medicine hold in Moscow from 24 to 27 May 1966.

SOURCE: Konforentsiya po problemam kosmichoskoy meditsiny, 1966. Problemy kosmichoskoy meditsiny. (Problems of space medicine); materialy konforentsii, Moscow, 1966, 99-100

TOPIC TAGS: lunar spaceflight, cosmic radiation biologic effect, radiation cosimetry, radiation protection, solar flare, radiation permissible dose

ABSTRACT: During lunar flight and lunar landing cosmonauts will be exposed to the Earth's radiation belts, galactic space radiation, corpuscular radiation from solar flares, and lunar radiation itself. It has been calculated that during passage through the Earth's radiation belts, which will take approximately 30 min, the mean tissue dose will not exceed 3-5 rem. On the 30-day lunar flight the dose from galactic space radiation will amount to approximately 4-8 rem. Solar flares represent the greatest radiation

**Card** 1/2

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hazard for lunar flight. With shielding of vl g/cm² the surface dose can reach v104 rem from a high-intensity flare. It did commonant stays in a radiation shelter during a solar flare, the obtained dose can be lowered to 50 rem or less. The probability of an intense solar flare during a period of maximum solar activity is around 10% (for a 30-day period). Doses from galactic space radiation and corpuscular radiation are determining factors on the lunar surface. The contribution to the total dose from natural and induced radiation is no more than several percent. However, doses from galactic space radiation and corpuscular radiation on the lunar surface are two times less than in space, due to shielding by the Moon itself.

SUB CODE: 06, 18, 22 / SUBM DATE: 00May66

**Card** 2/2

多數 宝兰城市

AMIRKHANOV, Kh.I., akademik; ALIEEKOV, B.G., inzh.; VIKHROV, D.I., inzh.; KERIMOV, A.M., kand. fiz.-matem. nauk

Study of the isochoric heat capacity of some alkanes.
Teploenergetika ll no.3:81-86 Mr '64. (MIRA 17:6)

1. Dagestanskiy filial AN SSSR.

ACCEBSION	NR:	AP4025427

8/0096/61/000/001/0067/0069

AUTHORS: Amirkhanov, Kh. I. (Academician); Kerimov, A. M. (Gendidate of physicsmathematical sciences); Alibekov, B. C. (Engineer, Dissertator); Viktrov, D. I. (Engineer)

TITLE: Investigation of isochoric specific heat of several alkenes in the twophase region

SOURCE: Teploenergetika, no. 4, 1964, 67-69

TOPIC TAGS: alkanes, isochoric specific heat, alkane specific heat, n octane, n hexane, n heptane

ABSTRACT: The results of direct measurements of c, of three alkanes (n-hexane, n-heptane and n-octane) in the two-phase region measured in the adiabatic calorimeter described by Amirkhanov (Kh. I. Amirkhanov and A. M. Kerimov "Teploenergetika" No. 6, 1962) are presented. Graphs of the following are shown: a- cy (two-phase) for n-octano (CoH18) as a function of temperature (100-300C) for different specific

Card 1/2

ACCESSION NR: APLO25127	
volumes (2-8 cm <sup>3</sup> /gm); b- $c_v$ (two-phase) as a function of v for difference as before); c- $c_v$ (two-phase) for $c_{6}H_{1l_1}$ , $c_{7}H_{16}$ and $c_{8}H_{18}$ as a interpolation of specific v $c_{6}H_{16}$ , for the three elements.	function of
the three alkanes. It was found that all three alkanes satisfied the $T = \frac{V_C}{1 + 0.2062} \left(\frac{T_C}{T_C} - T\right)^{0.4}$ within 0.2 % of a specific volume of 7-8	equation
art. has: 6 graphs and 9 equations.	equation cm <sup>3</sup> /gm. Orig.
1 + 0.2062 (T <sub>0</sub> - T) <sup>0.4</sup> within 0.2 % of a specific volume of 7-8 art. has: 6 graphs and 9 equations.	equation cm <sup>3</sup> /gm. Orig.
1 + 0.2062 (T <sub>C</sub> - T) <sup>0.4</sup> within 0.2 % of a specific volume of 7-8 art. has: 6 graphs and 9 equations.  ASSOCIATION: Dagestanskiy filial ANSSER (Daghestan Branch of the ANS	equation cm <sup>3</sup> /gm. Orig. SSR)
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VIKTOROV, I., dotsent; PATRASHKOV, T.

Biochemical changes in the blood and urine in cancer of the prostate. Urologiia 28 no.5:27-29 S-0:63 (MIRA 17:4)

1. Iz urologicheskoy kliniki (nachal\*nik - prof. G. Krystinov) na kafedre voyenno-polevoy khirurgii Vysshego voyenno-meditsinskogo instituta, Sofiya.

AMIRKHANOV, Kh.I., akademik; KFRIMOV, A.M., kand. fiz.-matem. nauk; ALIBEKOV, B.G., inzh.; VIKHROV, D.N., inzh.

Study of the isochoric heat capacity of some alkanes in the two-phase region. Teploenergetika 11 no.4:67-69 Ap '64.

1. Pagestanskiy filial AN SSSR. (MIRA 17:6)

L 20886-66 EWT(d)/EEC(k)-2ACC NR: AP6002519

SOURCE CODT: UR/0286/65/000/023/0026/0026

AUTHOR: Vikhrov, G. P.

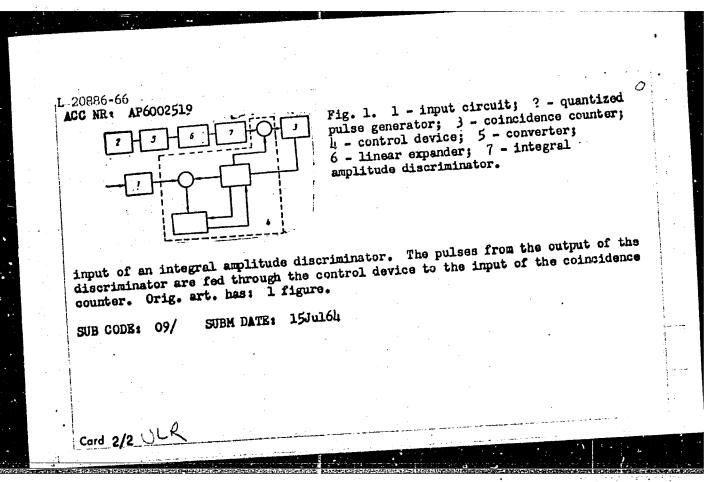
ORG: none

TITLE: A device for measuring the width of recurrent pulses. Class 21, No. 176612

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 23, 1965, 26

TOPIC TAGS: measuring instrument, quantized pulse generator, measurement accuracy

ABSTRACT: This Author Certificate presents a device for measuring the width of recurrent pulses. The device contains an imput circuit for the reception of the pulses to be measured, a quantizing sequence pulse generator, a coincidence stage (to which are fed the above mentioned sequences of pulses), a coincidence counter, and a control device (see Fig. 1). To increase the precision of the measurements, a converter is used as the coincidence stage. The amplitude of the pulses at the output of the converter is directly proportional to the instantaneous value of the amplitude of the pulses being measured at the moment of arrival of the pulses of the quantizing sequence. The pulses from the output converter are fed to the input of a linear expander. The output of the linear expander is connected to the



s/115/60/000/05/21/03/ 3007/B011

AUTHORS:

Valitov, R. A., Vikhrov. G. P.. Navderov. V. Z.

TITLE:

Same Cases of the Use of Electronic Pulse Counters in

Mescuring Technology

PERIODICAL:

Izmeritel'naya tekhnika, 1960, No. 5, pp 41-44

TEXT: The principles underlying the construction of electronic measuring devices with digital indication, based on the use of pulse counters, had been described in the papers of Refs. 1, 2, 3. The authors examined several special cases in which electronic pulse counters were used in calibration test systems. Frequency dividers with adjustable dividing ratio are first dealt with, and the two possible types of construction are shown in this connection. The block diagram relating to the second type is shown in Fig. 1 and explained. This method is based on the possibility of availing oneself of a pulse to bring an n-chain of series-connected binary cells into such a position as corresponds to an arbitrary number of stored pulses smaller than 2<sup>n</sup>. Diagrams of the conditions with time in the

 $V_{c}$ 

Card 1/3

 Some Cases of the Use of Electronic Pulse Counters in Measuring Technology

S/115/60/000/05/21/034 B007/B011

divider are shown in Fig. 2. On the basis of the divider shown here, circuits can be set up for the conversion and the production of electric oscillations. The production of delayed pulses is investigated next. The principle consists in the separation of 2 pulses from their periodic sequence, with these 2 pulses standing apart from one another by M discrete periods of this sequence. The block diagram of a variant of such a system is shown in Fig. 3 and explained. The deficiencies exhibited by this circuit are pointed out, and a block diagram free of these deficiencies is shown in Fig. 4. It features additional cascades for the selection of the pedestal pulse and of the delayed output pulse. The mode of selection of these two pulses is shown here. To produce groups of pulses with a precisely known number of pulses as well as a determined repetition frequency of such groups, the circuits given here can be used. It is pointed out that such circuits can be also utilized for the production of rectangular pulses of a controllable and adjustable duration. For this purpose, a forming trigger with a cascade at the output must be introduced into the circuits given in Figs. 3 and 4, respectively. A simplified block diagram for the production of rectangular pulses is shown in Fig. 7 and explained.

Card 2/3

Some Cases of the Use of Electronic Pulse Counters in Measuring Technology

S/115/60/000/05/21/034 B007/B011

It is stated in conclusion that the circuits dealt with here can be utilized for the construction of calibration test devices for various purposes. The use of semiconductors is recommended for such devices to increase their reliability and economy, and to reduce dimensions and weight. There are 7 figures and 5 references: 3 Soviet and 2 German.

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Card 3/3

 S/115/63/000/004/008/011 E140/E135

AUTHORS:

Valitov R.A., and Vikhrov G.P.

TITLE:

The error of digital time-interval meters and the improvement of their accuracy by the method of averaging

PERIODICAL: Izmeritel'naya tekhnika, no.4, 1963, 44-47

TEXT: The authors propose to improve the accuracy of digital (counter type) time interval meters by averaging the readings (automatically) of several repetitions of the process, thus avoiding the need for faster circuits using higher clock rates.

There are 2 figures and 3 tables.

Card 1/1

VIKHROV, I., inzh.; KOSHEVOY, V., inzh.

Construction and operation of large-panel apartment houses.
Zhil. stroi. no.2:9-10 '62. (MIRA 16:1)

(Zaporozh'ye-Apartment houses)
(Precast concrete construction)

 VALITOV, R.A.; VIKHROV, G.P.; NAYDEROV, V.Z.

Using electronic pulse meters in measuring equipment. Izm.tekh.
no.5:41-44 My '60. (MIRA 14:5)

(Pulse techniques (Electronics))

L 41182-65 EWT(d)/EWP(c)/EWP(v)/T/EWP(k)/EWP(1) Pf-4

ACCISSION NR: APSON677 S/0115/6h/000/009/0058/0059 70

AUTHOR: none

TITLE: Fourth ectentific and technical conference on "Cybernetics for the heprovement of menaurement and inspection methods"

SOURCE: Izmeritel' naya tekhnika, no. 9, 1964, 58-59

TOPIC TAGS: cybernetics, electric measurement, electric engineering conference

ABSTRACT: The conference was held 1-4 July at the All-Union Scientific Research Institute of Metrology by the Section of Slectrical Measurements of the Council on the Problem of "Solentific Instrument Making" of the State Committee on Coordination of Scientific Research Mork in the SSSR together with the All-Union Scientific Research Institute of Electrical Measurement Instruments and the Laningrad Regional Administration of the Scientific and Technical Division of the Instrument Making Industry. More than 400 delegates from 29 cities of the country participated.

Fifty-seven reports were heard and discussed. Reports were given by P. Y. NOVITSKIY (Leningrad)--"Definition of the Concept of Informational Error in Measurement and its Importance in Practical Use" and "On the Problem of the Average Informational Criterion of Accuracy Throughout the Entire Scale of an Instrument"; Ya. A.

Card 1/4

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ACCESSION NRs APSOCH677

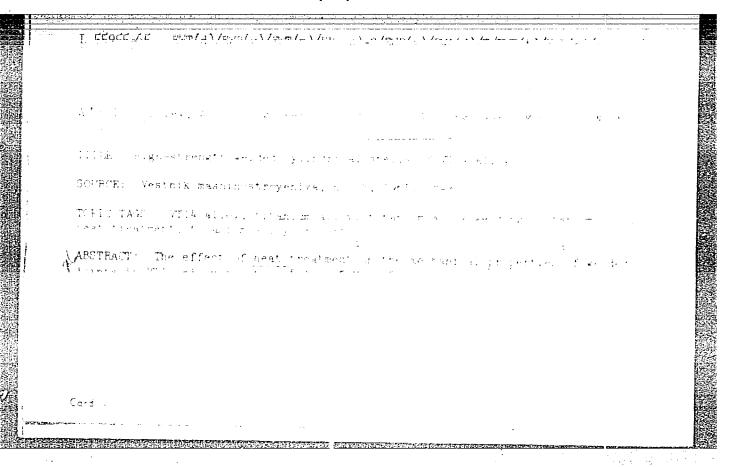
\*\*EUPZRSICHIDI\*\* (Hosgory)---"On Determination of the Criteria of Accuracy for Measurement Devices"; S. N. MANDEL'SHTAM (Loningrad)--report on a new criterion of accuracy of measurement instruments; P. P. PARSHIN (Loningrad)--report on optimization when using Fourier transforms on electronic digital computers; S. P. DMIRHYSW, G. Ya. DOLGHUTSWA and A. A. ICHANOY (Leningrad)--proposal of a new method for solving problems of optimum fibring for non-stationary random signals and interference; I. B. CHELPANOY.-"Calculation of the Dynamic Characteristics of an Optimum Complex Two-Channol Systom which Uses Signals from a Position Meter and from a Speed Mater"; R. A. POLUSKIOY (Leningrad)--"Optimum Periodic Correction in the Measurement of Continuous Signals" is P. AnAMOYICH (Meacow)--"Analysis and Construction of Devices for Correction on Non-linearity and Scaling for Unitary Codes; G. V. GORELOVA (Taganrog)---"A Method for Statistical Optimization in Oraduating the Scales of Slectrical Measuring Instruments"; M. A. ZSINEL'MAN (Meacow)--"Analog-Digital Voltage Converter with Automatic Stror Correction"; B. N. MALINOYSKI, V. S. ALLENGUIX and I. A. YANOYICH (Kiey)--"Automatic Monitoring of the Parameters of the Electrical Signals of Complex Radio and Electronic Equipment"; V. P. PERGOY (Meacow)--"Operational Cybernetics as an Independent Scientific Specialization"; Ye. H. OIL'30 (Leningrad)---"On the Problem of Effoutive Non-linear Scales"; A. I. MARKELDY (Meacow)--"Operational for Preliminary Processing of the Results of Measurements Presented in the Form of Card 2/4

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VIKHROV, I.N.

Improving the equipment of the blast furnace plant in the Kuznetsk Metallurgical Combine. Metallurg 7 no.6:11-13 Je '62. (MIRA 15:7)

 Pomoshchnik nachal'nika domennogo tsekha po oborudovaniyu Kuznetskogo metallurgicheskogo kombinata.
 (Novokusnetsk—Blast furnaces—Equipment and supplies)

MODESTOVA, Tat'yana Alekseyevna; VIKHROV, Pavel Georgiyevich; SHELIKHOV, Nikolay Nikolayevich; BELEN'KIY, I.S., retsenzent; PLENYANNIKOV, M.N., red., VINOGRADOVA, G.A., tekhn. red.

[Commercial study of materials used in clothing manufacture]
Materialovedenie shveinogo proizvodstva. Izd.4., ispr. i dop.
Moskva, Gizlegprom, 1963. 278 p. (MIRA 16:8)

(Textile fabrics)

(Clothing industry—Equipment and supplies)

KONOBEYEVSKIY, S.T.; PRAVDYUK, N.F.; POKROVSKIY, Yu.I.; VIKHROV, V.I.

[Effect of neutron irradiation on internal friction in zinc monocrystals and polycrystals] Vliianie neitronnogo oblucheniia na vmutrennee trenie mono- i polikristallov tsinka. Moskva, In-t atomnoi energii AN SSSR, 1960. 15 p. (MIRA 17:1)

PHASE I BOOK EXPLOITATION

Sov/6176

Konobeyevskiy, S. T., Corresponding Member, Academy of Sciences
USSR, Resp. 2d.

Deystvive vadernykh izlucheniv na materialy (The Effect of
Nuclear Radiation on Materials). Moscow, Izd-vo AN SSSR,
Nuclear Radiation on Materials . Moscow, Izd-vo AN SSSR,
1962. 383 p. Errats slip inserted. 4000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Otdeleniye tekhnicheskikh nauk; Otdeleniye fiziko-matematicheskikh nauk.

Resp. Ed.: S. T. Konobeyevskiy; Deputy Resp. Ed.; S. A.

Resp. Ed.: S. T. Konobeyevskiy; Deputy Resp. Ed.; S. A.

Adasinskiy; Editorial Board: P. L. Gruzin, G. V. Kurdyumov,
Adasinskiy; Editorial Board: P. L. Gruzin, G. V. Kurdyumov,
Yu. I. Pokrovskiy, v. S. Lyashenko (Doceased), Yu. A. Martynyuk,
House: M. G. Makarenko; Tech. Eds: T. V. Polyakova and
I. N. Dorokhina.

Card 1/14

90

The Effect of Nuclear Radiation (Cont.)

sov/6176

PURPOSE: This book is intended for personnel concerned with nuclear materials.

COVERAGE: This is a collection of papers presented at the Moscow Conference on the Effect of Nuclear Radiation on Materials, held December 6-10, 1960. The material reflects certain trends in the work being conducted in the Soviet scientific research orginization. Some of the papers are devoted to the experimental study of the effect of neutron irradiation on reactor materials (steel, ferrous alloys, molybdenum, avial, graphite, and nichromes). Others deal with the theory of neutron irradiation effects (physicochemical transformations, relaxation of internal stresses, internal friction) and changes in the structure and properties of various crystals. Special attention is given to the effect of intense Y-radiation on the electrical, magnetic, and optical properties of metals, dielectrics, and semiconductors.

Card 2/14

		8
•	The Effects of Nuclear Radiation (Cont.)	DV/6176
•	Pravdyuk, N. F., V. A. Nikolayenko, and V. I. Korpukhin. Change in Lattice Parameters of Diamond and Silicon Carbide During Irradiation	184
	Abdullayev, G. B., and M. A. Talibi. On One Method of Using Cadmium Sulfide Photoresistors in Recording X- and Y-ray Dosimeter	189
	Konobeyevskiy, S. T., B. M. Levitskiy, L. D. Panteleyev, K. Dubnovin, Y. I. Kutaytsev, and V. N. Koney. X-Ray Examination of Transformations in Copper-Tin Alloy Under Neutron Irradiation	P
	Levitskiy, B. M., and L. D. Panteleyev. X-Ray Examination of the Relaxation of Internal Microstresses in Cold-Worked Metals Under Neutron Irradiation	209
· .	Konobeyevskiy, S. T., N. F. Pravdyuk, Yu. I. Pokrovskiy, and V. I. Vikhroy, Effect of Neutron Irradiation on Internal Friction-in-Metals	219
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	The Effects of Nuclear Radiation (Cont.)	V/6176
	Pravdyuk, N. F., Yu. I. Pokrovskiy, and V. I. Vikhrov. Effect of Neutron Irradiation on Internal Friction in Mono- and Polycrystals of Zine	;t
	•	235
	Zakharov, A. I. Effect of Neutron Irradiation and Plastic Deformation on Young's Modulus and Internal Friction	242
	Konobeyevskiy, S. T., and F. P. Butra. Radiographic Rffects in Neutron-Irradiated Crystals	
	Kolontsova, Ye. V. Radiation and Deformation Disturbances	251
		257
	Telegina, I. V., Ye. V. Kolontsova and V. V. Zubenko. Radiation Disturbances in Crystals of Lithium Fluoride	264
	Andronikashvili, E. L., N. G. Politov, and L. F. Vorozheykina. Effect of Lattice Disturbances on Mechanical and Optical Properties of Potassium Chloride Crystals	•
	Card 10/14	268
	20/ 17	
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L 8158-66 EPF(n;-2/ENT(d)/ENT(m)/ENP(z)/ENP(b)/T/EWA(d)/ENP(w)/E41(0) TURACC NR. AT5023801 EM/GG/MJW/JD/HW/GS SOURCE CODE: UR/0000/62/000/000/0219/023 AUTHOR: Konobeyevskiy, S. T. (Corresponding member AN SSSR); Pravdyuk, N. Pokrovskiy, Yu. I.; Vikhrov, V.
ORG: none 17,55 TITLE: The effect of neutron irradiation on the internal friction of metals SOURCE: Soveshchaniye po probleme Deystviye yadernykh izlucheniy na materialy. Moscow, 1960. Deystviye yadernykh izlucheniy na materialy (The effect of nuclear radiation on materials); doklady soveshchaniya. Moscow, Izd-vo AN SSSR, 1962, TOPIC TAGS: copper, aluminum, magnesium, chromium steel, nickel containing steel, metal internal friction, metal fatigue, neutron irradiation, irradiation effect ABSTRACT: The internal friction (1/0) (1/Q) and the normal elasticity modulus have been investigated in solution-heat-treated copper aluminum and magnesium prior to and after irradiation at 80C with an integrated flux of  $2.0^{\circ}$  x  $10^{16}$  -5.0 x  $10^{20}$  thermal n/cm<sup>2</sup> (the number of fast neutrons with an energy of more than 1 Mev was 35%). The 1/Q was measured at a stress of 2-20,000 g/mm<sup>2</sup>. The plotted internal frictionstrain amplitude curves showed the existence of a critical strain  $(\sigma_{cr})$  under which the 1/Q begins to be affected by the applied stress. The 1/Q and  $\sigma_{cr}$  were found to be very sensitive to irradiation (see Fig. 1.). For example, the qr for irradiated copper increased 280 times and the minimum value of 1/Q decreased by two times compared with the initial value before irradiation. The changes in the value of 1/Q and 0107

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 $\sigma_{
m cr}$  with irradiation dones equal to or less than  $10^{17}~{
m n/cm^2}$  are caused by the interaction of dislocations and point defects which resulted from elastic scattering of neutrons. In the case of plastic deformation of up to 27%, the point defects resulted from interaction between dislocations, and the increase in the value of 1/Q was considerably smaller. In distilled magnesium subjected to fatigue with a Scyclic stress of various amplitude before irradiation with an integrated flux of  $10^{19}$  n/cm<sup>2</sup> (thermal neutrons and about 10% fast neutrons with an energy above 1 Mev), the value of  $\sigma_{\rm cr}$  was found to increase from the initial 5 g/mm² to 100 g/mm² after irradiation. In fatigue testing under a cyclic stress of 1600—4500 g/mm², distilled magnesium irradiated with an integrated flux of  $10^{19}$  n/mm² (thermal) had an endurance limit 10% higher than unirradiated magnesium. The effect of irradiation on the natural vibration frequency of specimens (the square of which determines the normal elasticity modulus) was investigated on irradiated copper and unirradiated 1Kh18N9T [AISI 321] stainless steel. 10 The observed irradiationinduced behavior of the normal elasticity modulus can be explained by a manifestation of both the elastic and "nonelastic" properties of the metal, depending on the magnitude of the stress applied in dynamic measurement of the modulus. The "nonelastic" properties of the metal can be caused by migration of dislocations, while pure elastic properties manifest themselves only in the region of stresses  $\sigma \leq \sigma_{cr}$ .

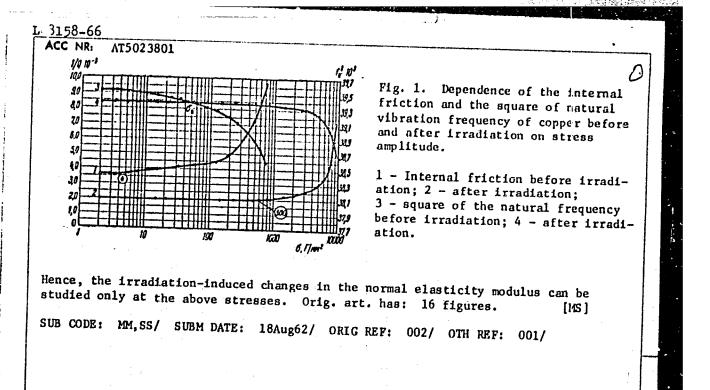
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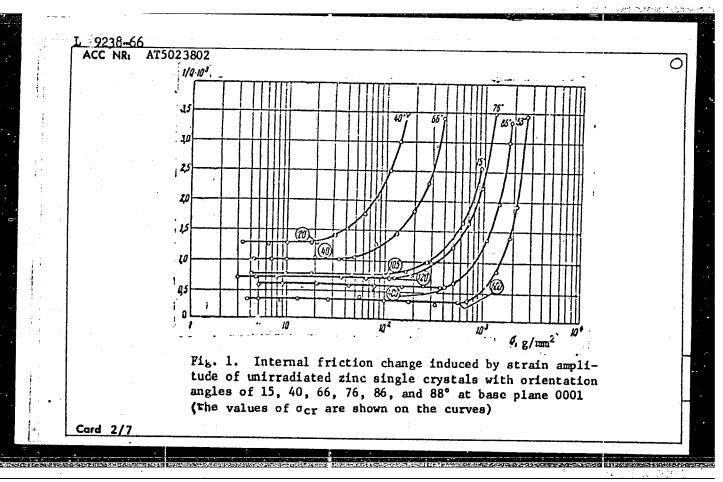
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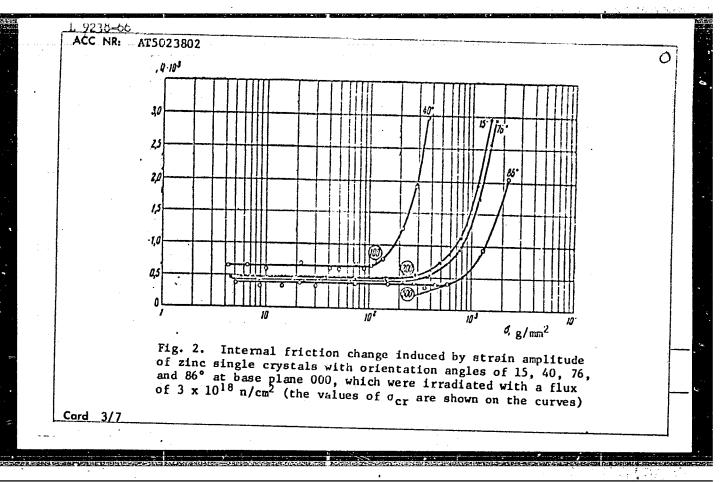
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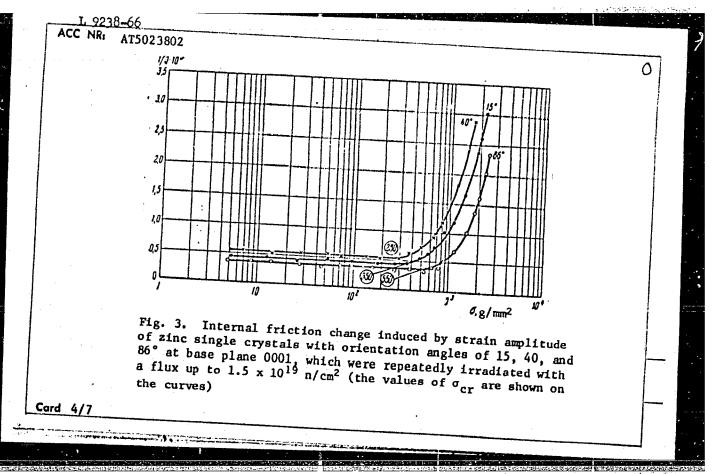
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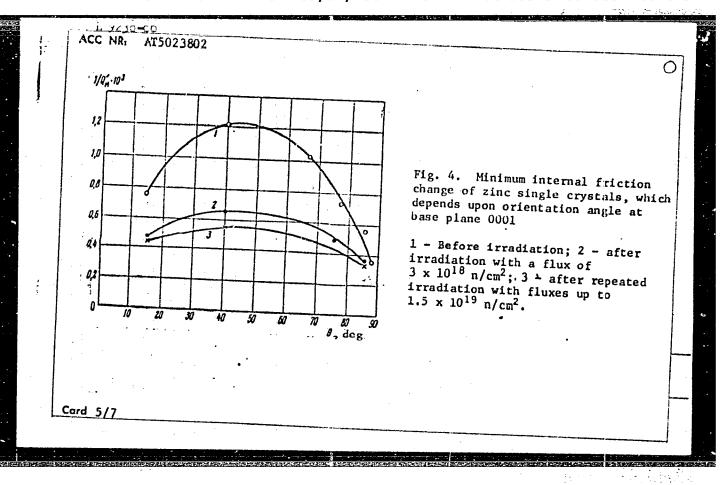


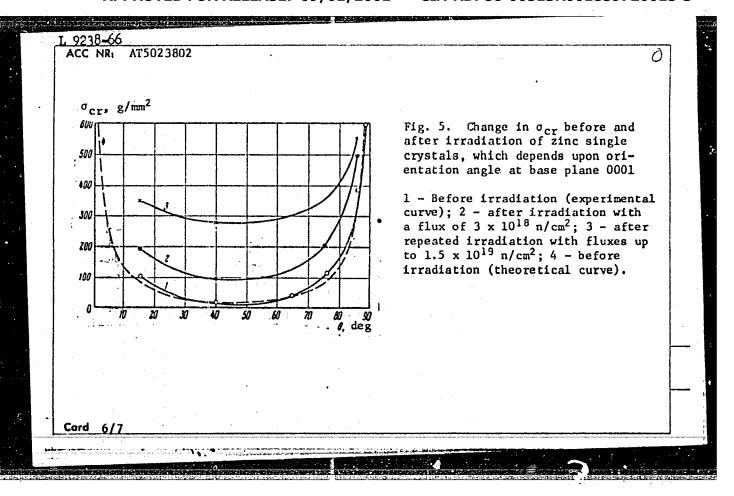
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AUTHOR: Pravdyuk, N. F.; Pokrovskiy, Yu. I.; Vikhrov, V. I.
ONG. Hone
and polycrystals internal friction of zinc monocrystals
SOURCE: Soveshchaniye po probleme Deystviye yadernykh izlucheniy na materialy. Noscow, 1960. Deystviye yadernykh izlucheniy na materialy (The effect of nuclear addation on materials); doklady soveshchaniya. Moscow, Izd-vo AN SSSR, 1962,
TOPIC TAGS: irradiation, neutron irradiation, zinc single crystal, zinc polycrystal, internal friction
ABSTRACT: Zinc single crystals and polycrystals with various base plane angles and with orientation angles of 15, 46, 66, 76, 86, and 88° were irradiated with integrated fluxes of 3 x $10^{18}$ or 1.5 x $10^{19}$ n/cm², and the effect of irradiation on of internal friction was investigated. Results of investigations showing changes which the internal friction begins to depend when the internal friction in the internal friction begins to depend when the internal friction in the internal friction begins to depend when the internal friction in the internal friction in the internal friction begins to depend when the internal friction in the inte
which the internal friction begins to depend upon it, in zinc single crystals and polycrystals with or without applying neutron irradiation are shown in Figs. 1—6.
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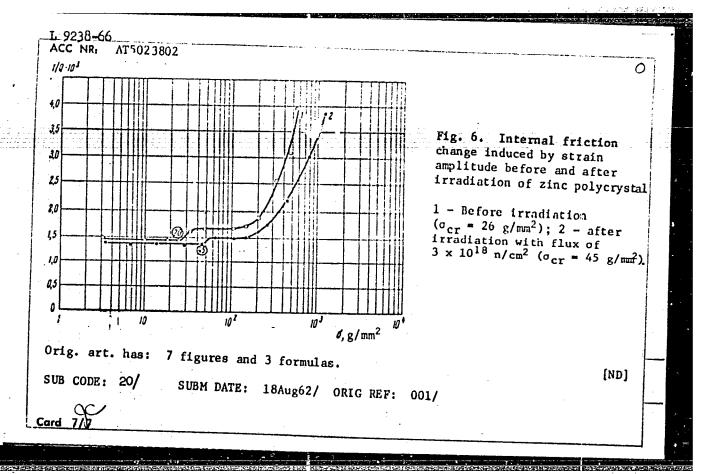












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AUTHOR: Pravdyuk, N. F.; Ivanov, V. P.; Ruznetsov, V. N.; Vikhrov, V. I.;

Percentage V. N.

SOURCE: AN Lacssk. Institut fiziki. Radiitsionnaya fizika, no. 2, 1964.

Pozimetrlya neytronov i gasma-luchov (Dowlmetry of neutrons and gasma rays), 51-64.

TOPIC TACS: fast acution fire.

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ABSTRACT: The authors studied the produce of absolute measurements of integral fluxes of fast acutrons using the the cold reactions

Ni<sup>10</sup>(n, p)Co<sup>10</sup>, Ci<sup>11</sup>(n, u)P<sup>10</sup>, Al<sup>10</sup>(n, u)Nu<sup>10</sup>

in the channels of the RFT reactor. The absolute isotope activity was measured by means of a 4n flow-through type acute isotope activity as measured by means of a 4n flow-through type activity activit

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and corrected by again and a series of the received tradicators. Norther lease to the Harwell Symposium in December 1962, No SM 36/42; J. 20, 1962, 12, 56). "In conclusion, the authors thank Yu. Go-workers for calculating the neutron spectra and for pracout the experiments." Orig. art. has: 9 formulas, 5 figur	Moteff, Nucleonics . Nikolayev and hittical help in carrying

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ABRAMOV, F.A., prof., doktor tekhn.nauk; TORGOVNIKOV, B.M., nauchnyy sotrudnik; VIKHROV, V.I., nauchnyy sotrudnik; KAGANER, V.M., nauchnyy sotrudnik; KURMAN, A.V., nauchnyy sotrudnik

Calculating the forced distribution of air in a mine ventilation system using an electronic computer. Ugol 39 no.12:54-59 D 64.

(MIRA 18:2)

1. Dnepropetrovskiy ordena Trudovogo Krasnogo Znameni gornyy institut imeni Artema (for Abramov). 2. Nauchno-issledovatel'skiy gornorudnyy.institut, Krivoy Rog (for Torgovnikov, Vikhrov, Kaganer, Kurman).